



PCT

RAW SEQUENCE LISTING

DATE: 07/29/2004

PATENT APPLICATION: US/10/502,344

TIME: 16:03:25

Input Set : A:\55084US-sequencelisting.ST25.txt

Output Set: N:\CRF4\07292004\J502344.raw

3 <110> APPLICANT: ROSS, Richard
 4 ARTYMIUK, Peter
 5 SAYERS, Jon
 7 <120> TITLE OF INVENTION: Polypeptide Variants
 9 <130> FILE REFERENCE: 100042.55084US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/502,344
 12 <141> CURRENT FILING DATE: 2004-07-23
 14 <150> PRIOR APPLICATION NUMBER: PCT/GB03/00253
 15 <151> PRIOR FILING DATE: 2003-01-24
 17 <150> PRIOR APPLICATION NUMBER: GB 0201679.8
 18 <151> PRIOR FILING DATE: 2003-01-24
 20 <160> NUMBER OF SEQ ID NOS: 22
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 6
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Artificial linker
 32 <400> SEQUENCE: 1
 34 Leu Val Pro Arg Gly Ser
 35 1 5
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 5
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Artificial
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: Artificial linker
 46 <400> SEQUENCE: 2
 48 Ser Gly Gly Gly Gly
 49 1 5
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 10
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Artificial
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Artificial linker
 60 <400> SEQUENCE: 3
 62 Pro Gly Ile Ser Gly Gly Gly Gly Gly
 63 1 5 10
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 16
 68 <212> TYPE: PRT

ENTERED

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69 <213> ORGANISM: Artificial
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Artificial linker
74 <400> SEQUENCE: 4
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77 1           5           10          15
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 8
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Artificial linker
88 <400> SEQUENCE: 5
90 Gly Gly Gly Gly Ser Ser Ser Ser
91 1           5
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 5
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Artificial linker
102 <400> SEQUENCE: 6
104 Gly Gly Gly Gly Ser
105 1           5
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 28
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Artificial linker
116 <400> SEQUENCE: 7
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120 <210> SEQ ID NO: 8
121 <211> LENGTH: 39
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Artificial linker
128 <400> SEQUENCE: 8
129 cttcaagagg cggcgccgc ttccaacca ttcccttat        39
132 <210> SEQ ID NO: 9
133 <211> LENGTH: 35
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Artificial linker
140 <400> SEQUENCE: 9
141 ttccaagctt catcagaagc cacagctgcc ctcca
144 <210> SEQ ID NO: 10                35

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145 <211> LENGTH: 24
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Artificial linker
152 <400> SEQUENCE: 10
153 caaagctagc ggtggcatgc aagt 24
156 <210> SEQ ID NO: 11
157 <211> LENGTH: 30
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Artificial linker
164 <400> SEQUENCE: 11
165 aagcttgaat tcctattacg tcgactctag 30
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 35
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Artificial linker
176 <400> SEQUENCE: 12
177 cagctgctgt ggettcggcg gccgcaggtg gcgga 35
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181 <211> LENGTH: 27
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Artificial linker
188 <400> SEQUENCE: 13
189 aatgcctcga ggaattcgga acctccg 27
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 36
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Artificial linker
200 <400> SEQUENCE: 14
201 gggaaactcg aggtgcccat ccaaaaagtc caagat 36
204 <210> SEQ ID NO: 15
205 <211> LENGTH: 39
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Artificial linker
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216 <210> SEQ ID NO: 16
217 <211> LENGTH: 573

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218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 16
222 ttcccaacca ttcccttatac caggcttttt gacaacgcta gtctccgcgc ccatcgctctg      60
224 caccagctgg cctttgacac ctaccaggag tttgaagaag cctatatccc aaaggaacag      120
226 aagtattcat tcctgcagaa ccccagacc tccctctggt tctcagagtc tattccgaca      180
228 ccctccaaca gggaggaaac acaacagaaa tccaacctag agctgctccg catctccctg      240
230 ctgctcatcc agtcgtggct ggagcccgtg cagttcctca ggagtgtctt cgccaacagc      300
232 ctggtgtacg gcgcctctga cagcaacgtc tatgacctcc taaaggacct agaggaaggc      360
234 atccaaacgc tgatggggag gctggaagat ggcagcccc ggactgggca gatcttcaag      420
236 cagacctaca gcaagttcga cacaactca cacaacgatg acgcactact caagaactac      480
238 gggctgctct actgcttcag gaaggacatg gacaaggctg agacattcct gcgcctcgtg      540
240 cagtgccgct ctgtggaggg cagctgtggc ttc      573
243 <210> SEQ ID NO: 17
244 <211> LENGTH: 42
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 17
249 ttagtgccgc gcggcagtc gggcattggc ggcggtggcg gc      42
252 <210> SEQ ID NO: 18
253 <211> LENGTH: 191
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Artificial linker
260 <400> SEQUENCE: 18
262 Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg
263 1 5 10 15
266 Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe Glu
267 20 25 30
270 Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn Pro
271 35 40 45
274 Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn Arg
275 50 55 60
278 Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Arg Ile Ser Leu
279 65 70 75 80
282 Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val
283 85 90 95
286 Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp
287 100 105 110
290 Leu Leu Lys Asp Leu Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu
291 115 120 125
294 Glu Asp Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser
295 130 135 140
298 Lys Phe Asp Thr Asn Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr
299 145 150 155 160
302 Gly Leu Leu Tyr Cys Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe
303 165 170 175
306 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe

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307          180          185          190
310 <210> SEQ ID NO: 19
311 <211> LENGTH: 14
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Artificial linker
318 <400> SEQUENCE: 19
320 Leu Val Pro Arg Gly Ser Pro Gly Ile Gly Gly Gly Gly Gly
321 1          5          10
324 <210> SEQ ID NO: 20
325 <211> LENGTH: 438
326 <212> TYPE: DNA
327 <213> ORGANISM: Homo sapiens
329 <400> SEQUENCE: 20
330 gtgcccattcc aaaaagtcca agatgacacc aaaaccctca tcaagacaat tgtcaccagg      60
332 atcaatgaca ttacacacac gcagtcagtc tcctccaaac agaaagtcac cggtttggac      120
334 ttcatctctg ggctccaccc catcctgacc ttatccaaga tggaccagac actggcagtc      180
336 taccaacaga tcctcaccag tatgccttcc agaaacgtga tccaaatatc caacgacctg      240
338 gagaacctcc gggatcttct tcacgtgctg gccttctcta agagctgcca cttgccctgg      300
340 gccagtggcc tggagacctt ggacagcctg gggggtgtcc tggaaagcttc aggctactcc      360
342 acagaggtgg tggccctgag caggctgcag gggctctctg aggcacatgct gtggcagctg      420
344 gacctcagcc ctgggtgc
347 <210> SEQ ID NO: 21
348 <211> LENGTH: 447
349 <212> TYPE: DNA
350 <213> ORGANISM: Homo sapiens
352 <400> SEQUENCE: 21
353 gtgcccattcc aaaaagtcca agatgacacc aaaaccctca tcaagacaat tgtcaccagg      60
355 atcaatgaca ttacacacac gcagtcagtc tcctccaaac agaaagtcac cggtttggac      120
357 ttcatctctg ggctccaccc catcctgacc ttatccaaga tggaccagac actggcagtc      180
359 taccaacaga tcctcaccag tatgccttcc agaaacgtga tccaaatatc caacgacctg      240
361 gagaacctcc gggatcttct tcacgtgctg gccttctcta agagctgcca cttgccctgg      300
363 gccagtggcc tggagacctt ggacagcctg gggggtgtcc tggaaagcttc aggctactcc      360
365 acagaggtgg tggccctgag caggctgcag gggctctctg aggcacatgct gtggcagctg      420
367 gacctcagcc ctgggtgctt agtgccg
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371 <211> LENGTH: 146
372 <212> TYPE: PRT
373 <213> ORGANISM: Artificial
375 <220> FEATURE:
376 <223> OTHER INFORMATION: Artificial linker
378 <400> SEQUENCE: 22
380 Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr
381 1          5          10          15
384 Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr Gln Ser Val Ser Ser
385          20          25          30
388 Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro Gly Leu His Pro Ile
389          35          40          45

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/29/2004
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,18,19,22

VERIFICATION SUMMARY

DATE: 07/29/2004

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Input Set : A:\55084US-sequencelisting.ST25.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number